To: CN=Dedre Henderson/OU=R8/O=USEPA/C=US@EPA[]

Cc: []
Bcc: []

From: CN=Ayn Schmit/OU=R8/O=USEPA/C=US

Sent: Thur 9/27/2012 9:00:28 PM

Subject: Re: Hydraulic Fracturing & Natural Gas News-September 27, 2012

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Colorado State University Natural Gas Symposium

Tight oil Water Management: The Bakken, Niobrara, Eagle Ford & Permian

http://www.eia.gov/totalenergy/data/annual/index.cfm?src=email

A laboratory pyrolysis study to investigate the effect of water pressure on hydrocarbon generation and maturation of coals in geological basins

Microbial degradation of sedimentary organic matter associated with shale gas and coalbed methane in eastern Illinois Basin (Indiana), USA

A Review of the thermal maturity and hydrocarbon potential of the Mancos and Lewis Shales in parts of New Mexico, USA

http://www.surveymonkey.com/s/epalibsurvey (embedded image)

Dedre- thanks so much for this service; it is really useful. I am unable to access the BNA report on Pavillion below and am wondering if you could help. thanks

Ayn E. Schmit Water Policy Advisor

(PH) 303-312-6220 (FAX) 303-312-7150 EPA Region 8 1595 Wynkoop Street Denver, Colorado 80202-1129 schmit.ayn@epa.gov

From: Dedre Henderson/R8/USEPA/US

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Hydraulic Fracturing & Natural Gas News-September 27, 2012

Hydraulic Fracturing & Natural Gas News September 21 - 27, 2012

Headlines:

Subject:

USGS Releases Reports on Sampling of Contaminated Groundwater in Wyoming http://esweb.bna.com/eslw/1245/split_display.adp?fedfid=28113547&vname=dennotallissues&jd=a0d4u8z2a7&split=0

Lots of new data, no analysis from Wyo. gas field where EPA linked fracking to water pollution http://www.washingtonpost.com/business/new-tests-show-less-benzene-in-wyo-gas-field-where-epa-linked-fracking-groundwater-pollution/2012/09/26/001e2b1e-0839-11e2-9eea-333857f6a7bd story.html

New Data on Wyo. Frack Site Await Interpretation

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New Wyo. Tests Show Less Benzene in Fracking Zone

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Past Forward: The Fight Over Fracking

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EPA, driller differ on new Pavillion water test results

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New Test Results Due From Wyoming Fracking Zone

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Group asks Colo, governor to 'dramatically increase' drilling setback rules

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Colo, sketches out proposed oil, gas setback rules

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Colo. floats possible rules for groundwater monitoring, new well setbacks

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State official flags feds for interference

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Safety Rules for Fracking Disposal Wells Often Ignored

http://www.scientificamerican.com/article.cfm?id=safety-rules-for-fracking-disposal-wells-often-ignored

The Trillion-Gallon Loophole: Lax Rules for Drillers that Inject Pollutants Into the Earth

http://www.propublica.org/article/trillion-gallon-loophole-lax-rules-for-drillers-that-inject-pollutants

Fracking OK with caution, Salazar says

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Gov. Hickenlooper's backing of fracking is thumped by local officials

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Colorado officials take sides in fracking dispute

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NoCo oil companies fear state may force them to drill farther from homes

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Dick Montague: Frackers, not community, should bear risk (Longmont)

http://www.timescall.com/opinion/letterstotheeditor/ci_21637147/dick-montague-frackers-not-community-should-bear-risk

Fracking Regulations In States Leave Wells Without Inspection, Environmental Group Says

http://www.huffingtonpost.com/2012/09/25/fracking-regulations-states-

wells_n_1914527.html?utm_campaign=092612&utm_medium=email&utm_source=Alert-green&utm_content=FullStory

Oil exec in Stark County Court for frack water disposal practices

http://www.thedickinsonpress.com/event/article/id/61507/publisher_ID/6/

UND studies impact of man camps in oil patch

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Editorial: Meeting oil's challenge: step by step

http://bismarcktribune.com/news/opinion/editorial/meeting-oil-s-challenge-step-by-step/article_72f7c8b8-0332-11e2-8911-001a4bcf887a.html

Oil boom opportunity

http://www.argusleader.com/article/20120925/NEWS/309250017/Oil-boom-opportunity

Major SD oil development unlikely, though economic potential remains strong

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Citizen Task Force Recommends Controls on Oil, Gas Emissions in Wyoming Air Basin

Wood Group acquisition of Mitchell's Oil Field Services significantly increases presence in US Bakken shale region

http://www.oilvoice.com/n/Wood_Group_acquisition_of_Mitchells_Oil_Field_Services_significantly_increases_presence_in_US_B akken shale region/f5fa7eb4493f.aspx#ixzz27PKYWBcM

Wyoming rig numbers unchanged

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Pinedale ozone task force submits mitigation recommendations

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Former regulator says fracking is here to stay

http://www.wyomingbusinessreport.com/enews.asp

Two-thirds of frack disclosures omit 'secrets'

http://www.eenews.net/energywire/2012/09/26/1

Decades of Federal Dollars Helped Fuel Gas Boom

http://www.npr.org/templates/story/story.php?storyId=161656235

Federal dollars helped propel fracking technology forward

http://www.eenews.net/energywire/2012/09/25/7

Opinion: Spiking oil

http://www.sltrib.com/sltrib/opinion/54935825-82/oil-domestic-production-gas.html.csp

NY records show history of oil, gas well problems

http://online.wsj.com/article/AP60dba750022c44f1abf6134494bd0994.html?KEYWORDS=environmental+protection+agency

Fracking Lawsuit In New York Dismissed By US Judge

http://www.huffingtonpost.com/2012/09/24/fracking-lawsuit-new-york-dismissed-by-judge_n_1911275.html?ir=Green

New York State Plans Health Review as It Weighs Gas Drilling

http://www.nytimes.com/2012/09/21/nyregion/new-york-states-decision-on-hydrofracking-will-await-health-review.html?_r=0

HYDRAULIC FRACTURING: Judge dismisses N.Y. AG's suit seeking enviro reviews in Delaware River Basin

http://www.eenews.net/energywire/2012/09/25/2

Global Protests Planned Over Gas Drilling Process

http://www.nytimes.com/aponline/2012/09/21/us/ap-us-gas-drilling-protests.html?scp=68&sq=%22clean+water+act%22&st=nyt Shale drilling bans pose serious 'access challenge' for U.S. producers

http://www.eenews.net/energywire/2012/09/25/1

Christie vetoes fracking wastewater ban

http://online.wsj.com/article/AP070bafcb3424410a967ecc0fe54492cb.html?KEYWORDS=environmental+protection+agency

Wildcatter Harold Hamm Hunts Next Gusher

http://online.wsj.com/article/SB10000872396390443890304578010301845113668.html?mod=WSJ_Energy_leftHeadlines US Drops 5 to 1,859 Rigs Exploring for Oil, Gas

http://www.nytimes.com/aponline/2012/09/21/business/ap-us-rig-count.html?scp=23&sq=%22shale+gas%22&st=nyt

Anti-drilling group goes after Penn State for shale report

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Public costs of drilling add up as boom takes toll on roads, water supply – report

http://www.eenews.net/energywire/2012/09/24/4

\$7B needed to repair N.D. roads damaged by oil-related traffic - study

http://www.eenews.net/energywire/2012/09/24/7

PENNSYLVANIA: Bill would create drilling health and safety pane

http://www.eenews.net/energywire/2012/09/27/8

PENNSYLVANIA: House clears bill allowing leasing of state-owned lands

http://www.eenews.net/energywire/2012/09/27/7

Pa. GOP's shale boosters come out swinging against Obama

http://www.eenews.net/energywire/2012/09/21/1

Pa. grandmothers lead both sides of local fracking fight

http://www.eenews.net/energywire/2012/09/24/8

Sand mining is profitable new frontier in the oil and gas boom

http://www.eenews.net/energywire/2012/09/24/9

New Agreement Aims to Keep Great Lakes' Water Clean

http://blogs.scientificamerican.com/observations/2012/09/14/new-agreement-aims-to-keep-great-lakes-water-

clean/?WT_mc_id=SA_CAT_ENGYSUS_20120920

OHIO: State isn't prepared for fracking costs -- enviro report

http://www.eenews.net/energywire/2012/09/25/8

Drilling and fracking the focus of Matt Damon film

http://www.eenews.net/energywire/2012/09/25/5

WEST VIRGINIA: Depending on high court's ruling, every well permit could be subject to judicial review

http://www.eenews.net/energywire/2012/09/26/3

Quebec likely to stay a major gas importer after minister shuts door on fracking

http://www.eenews.net/energywire/2012/09/25/3

Japan eying North American shale gas to meet country's power needs

http://www.bizjournals.com/sanantonio/news/2012/09/18/japan-eying-north-american-shale-gas.html?ana=e vert

Worthington Industries buys into Utica shale drilling boom with acquisition

http://www.bizjournals.com/columbus/news/2012/09/18/worthington-industries-buys-into-utica.html?ana=e_vert

California Agency to Propose Regulations This Fall to Govern Hydraulic Fracturing

http://www.bna.com/california-agency-propose-n17179869747/?emc=ehsu:eslw:103

New Voraxial(R) Order From Booming Shale Oil & Gas Sector for Frac Water Processing

http://buswk.co/Sr7tWN

Analysis: Clock Ticking on French Fracking Veto

http://www.nytimes.com/reuters/2012/09/25/world/europe/25reuters-energy-shale-

france.html?scp=4&sq=%22oil+shale%22&st=nyt

US Patent Issued to Team Oil Tools on Sept. 18 for "Valve for Hydraulic Fracturing Through Cement Outside Casing" (Texas,

Oklahoma Inventors)

http://bit.lv/OUTCHX

State oil and gas rules weak with spotty enforcement -- enviro report

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Industry Fears BLM Fracking Rules Create Jurisdictional Conflict With EPA

http://cleanenergyreport.com/201209252411103/Clean-Energy-Report-Daily-News/News/industry-fears-blm-fracking-rules-create-

jurisdictional-conflict-with-epa/menu-id-202.html?s=dn

EAGLE FORD: Gang violence chokes development of Mexican shale reserves

http://www.eenews.net/energywire/2012/09/27/6

Rig auctions draw companies looking to sell equipment abroad

http://www.eenews.net/energywire/2012/09/27/9

Deputy Secretary of Interior, Governor to headline Colorado State University Natural Gas Conference Oct 1-3 in Fort Collins

http://bit.ly/Q4hbuA

Upcoming Events

October 1-3, 2012: Colorado State University Natural Gas Symposium

Fort Collins, CO

October 29-30, 2012: Tight oil Water Management: The Bakken, Niobrara, Eagle Ford & Permian

Denver, CO

Electronic Resource:

Annual Energy Review 2011

http://www.eia.gov/totalenergy/data/annual/index.cfm?src=email

Journal Alerts:

A laboratory pyrolysis study to investigate the effect of water pressure on hydrocarbon generation and maturation of coals in geological basins. Original Research Article

Organic Geochemistry, Available online 16 September 2012, Pages

Clement N. Uguna, Andrew D. Carr, Colin E. Snape, Will Meredith, Miguel Castro-Díaz

Highlights

► Gas yields from both coals are significantly retarded by increasing water pressure. ► Bitumen yield and VR for coals were reduced at 500 and 900 bar compared to 175 bar. ► Residual rock S2and HI for coals decreased at 175 bar compared to 500 and 900 bar. ► If pressure was insignificant results should be similar at 175, 500 and 900 bar.

Microbial degradation of sedimentary organic matter associated with shale gas and coalbed methane in eastern Illinois Basin

(Indiana), USA Original Research Article

International Journal of Coal Geology, Available online 13 September 2012, Pages

Ling Gao, Simon C. Brassell, Maria Mastalerz, Arndt Schimmelmann

Highlights

▶ Biodegradation characteristics of organic matter in coals and shales are different. ▶ Degradation of aromatic compounds in coals is much more advanced than in shales. ▶ The extent of biodegradation of organic matter in coals and shales is inversely related to depth.

A Review of the thermal maturity and hydrocarbon potential of the Mancos and Lewis Shales in parts of New Mexico, USA Original Research Article

International Journal of Coal Geology, Available online 19 September 2012, Pages

Thomas Gentzis

Highlights

The Mancos Shale in the study area is immature. Maturity increases in a southeastern direction where the shale can generate thermogenic gas. ► The quality of the organic matter (kerogen) is mostly of type III (gas-prone). ► The thicknesses of the Lewis and Mancos shales are adequate to generate and store large volumes of natural gas in the thermally mature areas. ► The study area contains potential fracture zones which, along with the sandy/silty character of the Mancos could provide natural permeability pathways. ► The part of the study area located within the Albuquerque Basin contains thick sections of the Mancos but at a depth >4km. ► Prospective areas for gas may be found at shallower depths near the margins of the basin, if an active hydrologic system close to the shale is present.

Dedre Henderson, MLIS | Librarian Hours: Monday-Thursday, 8:00 am. - 4:00 pm. ASRC Primus (contractor) U.S.EPA Region 8 Technical Library 1595 Wynkoop Street, 80C-L Denver, CO 80202-1129 (T) 303.312.6745 (F) 303.312.7061 http://www.epa.gov/region8/library/

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